

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	"347"/\$3 and (dpi and (pl same Vd) and duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/08 12:37
S1	42	("4313124" "4345262" "4459600" "4558333" "4723129" "4740796" "5218376" "5754194" "5565269" "5689595" "59123670" "59138461" "6159911" "6159912" "6159914" "6409279" "6463185" "0534634" "05202328" "09207424" "199830398" "2783647").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:41
S2	20	("55065269" "56089595" "59123670" "59138461" "61059911" "61059912" "61059914" "64009279" "64063185" "05034634" "05202328" "09207424" "199830398" "2783647").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:26
S3	341	(Nakazawa or Ishikawa).in. and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:45
S4	254	(Nakazawa or Ishikawa).in. and "347"/\$3 not silverbrook	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:48
S5	1	(ejection near4 volume) and (print near4 resolution) and (relative near4 scanning) and (print near4 resolution) and (print near4 duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/20 14:49
S6	0	("2004/0246320").URPN.	USPAT	AND	OFF	2005/12/20 14:50
S7	259	print near4 duty	USPAT	AND	OFF	2005/12/20 15:11
S8	532	print near4 duty	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:30

## EAST Search History

S9	728	ejection near volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 14:51
S10	3812	print near resolution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:04
S11	4	S8 S9 S10	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 14:51
S12	508747	resolution or DPI	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:04
S13	22	S8 S9 S12	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:09
S14	29146	application near3 rate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 15:09
S15	10508	(print near2 duty) or (print\$3 near3 resolution)	USPAT	AND	OFF	2005/12/20 15:15
S16	8020	recording near direction	USPAT	AND	OFF	2005/12/20 15:15
S17	20376	(arrange\$4 or arranging) near direction	USPAT	AND	OFF	2005/12/20 15:15
S18	0	S16 S17 S15 S14	USPAT	AND	OFF	2005/12/20 15:16
S19	2	"20040246320"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/20 16:07

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S20	5	resolution and ((application or apply\$3) near4 rate) and (drop with eject\$3 with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:31
S21	1	resolution with ((scan or scanning or scanned or scans)) ((application or apply\$3) near4 rate) and (drop with eject\$3 with volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:48
S22	34687	"347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:32
S23	502154	resolution	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:32
S24	1411320	application rate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:36
S25	10887	(dot or droplet or drop or ink) near (volume)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:33
S26	1601	S22 S23 S24 S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:33
S27	18674	application near rate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:49

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S28	5	S22 S23 S25 S27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:38
S29	19	("4313124" "4345262" "4459600" "4463359" "4558333" "4723129" "4740796" "5218376" "5754194"). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:04
S30	2	"9830398"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 07:47
S31	1	1998-398934.NRAN.	DERWENT	AND	OFF	2005/12/21 07:47
S32	5814	resolution with (x and y)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 07:48
S33	2	S32 and (application with rate) and S25	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 07:48
S34	19731	(application near rate) or (print with duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:49
S35	1	S25 and (resolution with (x and y)) and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 07:50
S36	78	S25 and (resolution) and S34	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:47

## EAST Search History

S37	5	resolution with by	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:47
S38	1292	resolution same (parallel and perpendicular and scan\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:53
S39	100	resolution same (parallel and perpendicular and scan\$4) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 09:57
S40	46	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 10:02
S41	17	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and volume	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 10:02
S42	34	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and (volume or size)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 10:03
S43	22	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or size) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 11:01
S44	11	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or pl) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 11:01

## EAST Search History

S45	12	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or pl or picoliter\$1) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 11:16
S46	2	(resolution with parallel) and (resolution with perpendicular) and "347"/\$3 and ((volume or pl or picoliter\$1) with (drop or droplet or drops or ink or spot or print or ejection or eject or ejecting)) and duty	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 12:09
S47	11	pigment same (react\$3 with liquid) same polyvalent with salt with metal and surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 12:28
S48	10	pigment same (react\$3 with liquid) same polyvalent with salt with metal and surface adj tension and film\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:43
S49	25	pigment same (react\$3 with liquid) same surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:50
S50	43	pigment same ((react\$3 or treat\$4) with (liquid or fluid)) same surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:51
S51	18	S50 not S49	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 13:51
S52	99478	surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:05

## EAST Search History

S53	486705	ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:05
S54	725980	(liquid or fluid) with (react\$3 or fix\$3 or fixitive or treat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:06
S55	72	S52 with S53 with S54	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:34
S56	1	2005-386001.NRAN.	DERWENT	AND	OFF	2005/12/21 14:11
S57	101	(S52 with S53) and (S52 with S54)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:34
S58	29	S57 not S55	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:51
S59	1125	(surface adj tension) with (greater or less) with ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:52
S60	588	(surface adj tension) with (greater or less) with ink and ink\$jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:53
S61	24	(surface adj tension) with (greater or less) with ink with (fix\$3 or treat\$4 or reaction or substrate or clear or white or colorless) with (liquid or fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:58

## EAST Search History

S62	16	(surface adj tension) with (greater or less) with ink with (fix\$3 or treat\$4 or reaction or solvent or solution or clear or white or colorless) with (liquid or fluid)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2005/12/21 14:58
S63	5	S29 and (surface adj tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:06
S64	24	("55065269" "56089595" "59123670" "59138461" "61059911" "61059912" "61059914" "64009279" "64063185" "0534634" "05202328" "09207424" "98030398" "9830398" "2783647").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:09
S65	4	S64 and surface adj tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:26
S66	1	1996-478561.NRAN.	DERWENT	AND	OFF	2005/12/21 15:13
S67	32	"6084619"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2005/12/21 15:26
S68	1675	347/100	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/01/03 07:07
S69	6	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:45
S70	26737	(react\$3 or fix\$3 or coat\$3) same (duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:46



## EAST Search History

S71	912	(react\$3 or fix\$3 or coat\$3) same (duty) and ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:46
S72	27	(react\$3 or fix\$3 or coat\$3) same (print near duty) and ink	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:46
S73	107	(react\$3 or fix\$3 or coat\$3) same (print\$3 near duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/05/18 08:47
S74	14	(react\$3 or fix\$3 or coat\$3) with (liquid or layer\$3) same (print\$3 near duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:48
S75	26	((react\$3 or fix\$3 or coat\$3) with (liquid or layer\$3)) or resin\$3) same (print\$3 near duty)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/18 08:48
S76	1570	(duty) and ((droplet or ejection or drop or printing) with (volume or size)) and (resolution or dpi or pixel) and (curing or coat\$3 or fixing or fixes or resin or harden\$3 or protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/18 09:01
S77	0	(duty) same ((droplet or ejection or drop or printing) with (volume or size)) same (resolution or dpi or pixel) same (curing or coat\$3 or fixing or fixes or resin or harden\$3 or protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/18 09:00
S78	34	(duty) same ((droplet or ejection or drop or printing) with (volume or size)) same (resolution or dpi or pixel) and (curing or coat\$3 or fixing or fixes or resin or harden\$3 or protect\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/05/18 09:01

## EAST Search History

S79	0	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2006/06/06 08:18
S80	6	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:27
S81	2	("6084619" "20020041310" "6494569").pn. and surfactant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:36
S82	0	("6084619" "20020041310" "6494569").pn. and agglomorat\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:27
S83	4	("6084619" "20020041310" "6494569").pn. and surface near tension	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:36
S84	2	("6084619" "20020041310" "6494569").pn. and ((surface near tension) same (cur\$3 or react\$3 or liquid))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/06/06 08:37
S85	3	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (aggregate same agglomerate same film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:29
S86	20	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerate same film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:29

## EAST Search History

S87	32	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:29
S88	4	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2) same (surface near tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:32
S89	4	ink same (((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid)) same ((agglomerat\$3 same film\$2) and (surface near tension)))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:30
S90	7	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2) and (surface near tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:39
S91	8	ink same ((react\$3 or curing or curable or coat\$3 or harden\$3) with liquid) same (agglomerat\$3 same film\$2) and (tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2006/06/22 09:35
S92	6	("6084619" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 11:03
S93	58	((reaction near (liquid or solution)) same ink) same (surface near tension)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:10
S94	3	((reaction near (liquid or solution)) same ink) same (surface near tension) and ((surface near tension) same (table))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:16

## EAST Search History

S95	58	((reaction near (liquid or solution)) same ink) same (surface near tension) and ((surface near tension))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:10
S96	1	"6086197".pn. and (surfactant with ink) and (surfactant with react\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:42
S97	1	"6086197".pn. and (surfactant with ink) and (surfactant with react\$3) and surfactant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:24
S98	77	((reaction near (liquid or solution)) same surfactant) and (ink same surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:33
S99	23	((reaction near (liquid or solution)) same surfactant) and (ink same surfactant) and surfactant same table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:27
S10 0	6	((reaction near (liquid or solution)) same surfactant) same (ink same surfactant) and surfactant same table	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:27
S10 1	32	((reaction near (liquid or solution)) same surfactant) same (ink same surfactant)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:35
S10 2	1	"6086197".pn. and (surfactant same ink) and (surfactant same react\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 10:50

## EAST Search History

S10 3	6	("6086197" "20020041310" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/22 11:03
S10 4	6	("20020041310" "6086197" "6494569").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2006/11/01 14:36